Title: SCIENTIFIC - RESEARCH INSTITUTE OF ORGANIC INTERMEDIATE PRODUCTS AND DYESTUFFS IMENI KLIM VOROSHILOV (NIOPIK) - (USSR)

Source: Scientific Research Institutes of the Heavy Industries, pp 173-177, Russian book

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SCIENTIFIC - RESEARCH INSTITUTE OF ORGANIC INTERMEDIATE PRODUCTS AND DYES IMENI KLIM VOROSHILOV

(NIOPIK)

Location:

No 11 Bol'shaya Sadovaya, Moscow

Telephone: D-1-48-44

NIOPIK is subordinate to the All-Union Trust for the Aniline Dye Industry within the organisational system of GlavOrgKhimProm NKTP.

Director:

M. T. Galust'yan

Acting Technical Director:

N. Z. Katsenbogen

NIOPIK conducts scientific research work in the field of the production of organic dyestuffs and intermediate products such as derivatives of benzene, naphthalene, anthracene, carbazole, acenaphthene, etc.

Scientific Sectors and Laboratories:

Laboratories:

Synthetics, No 1, No 2, and No 3

Analytic

Color Matching and Mixing

Physico-Chemical

Catalytic Processes

Corrosion and the Study of Apparatus

Sectors:

Scientific and Technical Information

Technico-Economical

Leading Scientific Personnel and Consultants:

Prof N. N. Vorozhtsov - consultant to the institute

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Leading Scientific Personnel and Consultants (Contd)

Prof M. A. Il'inskiy - consultant to the institute

Prof N. M. Kishner - Scientific leader of the Group on Sulfur Dyes

Prof V. M. Rodionov - Scientific leader of the Group on Intermediate Products of the Naphthalene Series.

Docent P. I. Sokolov - Consultant to the institute

Engineer L. M. Barshanskiy - Chief of the Sector of Scientific Technical Information

Engineer M. K. Bezzubets - Chief of Synthetic Laboratory No 2

Engineer G. I. Gershzon - Scientific Leader of Synthetic Laboratory No 1

Engineer Ye. V. Gurvich - Chief of Synthetics Laboratory No 3

Engineer K. V. Guborko - Supervisor of Experimental Installation

Engineer N. A. Zaytsev - Scientific Leader of the Group on Initial Raw Materials

Engineer A. I. Zorokhovich - Chief of Synthetics Laboratory No 1

Engineer Ya. S. Ioffe - Chief of the Planning and Technical Division and Deputy Technical Director

A. I. Korolev - Scientific leader of the Analytical Laboratory

Engineer V. I. Kuznetsov - Scientific leader of the Group on Indenthrene Dyestuffs

Engineer Migge - Chief of the Catalytic Processes Laboratory

Engineer Myasnikov - Scientific leader of a group at the Color Matching and Mixing Laboratory

Engineer Z. N. Syrkin - Chief of the Corrosion and Study of Apparatus Laboratory

Engineer N. A. Sykhra - Scientific leader of a group at the Color Matching and Mixing Laboratory

Engineer N. S. Tikhonov - Scientific leader of the Group on Sulfur Dyes

Engineer I. S. Khaykin - Chief of the Technico-Economical Sector

Engineer R. R. Eykhman - Consultant to the institute

Experimental Installations:

The institute possesses a number of semi-industrial experimental

installations for the purpose of testing production methods which have been developed. Engineer A. V. Gutorko is in charge of the experimental installations.

Total number of personnel 615

Scientific Associates 290

Budget for 1935 4,000,000 rubles.

Basic Problems Which are Currently being Solved at NIOPIK:

Work on problems of the synthesis of vat dyes and anthraquinone derivatives carried out under the direction of Prof M. A. Il'inskiy and Engineer A. M. Lukin.

Work on problems of the synthesis of basic and acid dyes carried out under the direction of Prof N. M. Kizhner, Engineer M. K. Bezzubets, Engineer N. G. Laptev.

Work on problems of the synthesis of sulfur dyes carried out under the direction of Engineer Ye. S. Tikhonov.

Work on problems of the synthesis of azo-dyes and rapid dyes carried out under the direction of Prof V. M. Rodionov.

Work on problems of the synthesis of intermediate products of the benzene series carried out under the direction of Engineer V. I. Lukashevich.

Work on problems connected with the study of raw materials conducted under the direction of Engineer N. A. Zaytsev.

Enterprises Regularly Serviced by NIOPIK:

Dorogomilov Chemical Plant (Moscow)

Butyrskiy Chemical Plant (Moscow)

Derbenev Chemical Plant (Moscow)

Rubezhansk Chemical Plant (Rubezhnaya Station)

Kineshma Chemical Plant (Kineshma Station)

NIOPIK Aids Industry on Matters Connected with the Manufacture of:

Beta-naphthol

Peri-acid

Phenyl-peri-acid

Benzidine

NIOPIK Aids Industry on Matters Connected with the Manufacture of: (Cont'd)

1;5 disulfonic acid
Nitrosophenol
Para-Red
Building No 8
Diphenylguanidine
Dianisidine
Sulfur dyes of the Butyrskiy Chem Plant
Safranine T.
Chlorobenzene
Ortho-nitroanisole
Phenol
Khaki from anthracene
Diethylmetanylic Acid
Para-amino-phenol
Sulfur yellow
Michler's ketones
Captax
Thiuram
Thiocarbanilide
Sulfur Orange
Sulfur Green
Anthraquinone
Ortho and para-nitrochloro-benzenes
Sulfonation of benzene in the vapor phase
Amino-azo-toluene
Gall Dyes
Azo dyes

Periodical Publications of NIOPIK:

"Referatnyy Byulleten' NIOPIK" - this Bulletin is published for the purpose of presenting abstracts, reference material, and bibliographical information on various aspects of organic dyes and intermediate products. (Data from 130 foreign periodicals are digested).

This bulletin has been published in Moscow since 1932 with M. T. Galust'yan as responsible editor; it is issues twice monthly, and there are approximately ninety-six printed sheets per year. /Approximately 1500 6 x 8 inch pages/.

NIOPIK was founded in 1931 and given the basic assignment of studying methods for the production and analysis of dyestuffs and derivative products, as well as of determining the best methods for the utilization of dyes, and for aiding the aniline dye industry.

The institute is devoting much time to development of methods for the production of beta-amino-anthraquinone and benzanthrone, both important intermediate products for indanthrenes.

Completion of development work on the manufacture of beta-methyl-anthraquinone has furnished to the industry a starting material for the production of Indanthrene Red. The assortment of colors which will have been manufactured by the institute by 1935 will run the whole range of shades and colors.

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